

MINISTRY OF THE INTERIOR, EGYPT

Department of Public Health

Ophthalmic Hospitals Section

Twenty Second Annual Report of the Ophthalmic Hospitals Section, for 1934



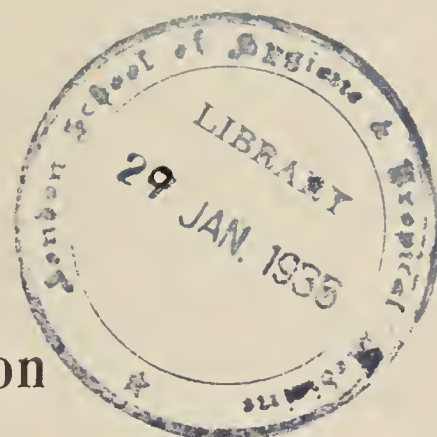
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Annual Report of the Ophthalmic Hospitals Section, 1934

Foreword

NEW UNITS

During this year, the following Ophthalmic Units were opened: Two Government permanent Ophthalmic Hospitals—one at Samalout and the other at Edfina—and five Ophthalmic Branches in the Markaz Hospitals at Deirout, Wasta, Senbellawain, Sherbeen and Tala. Thus the number of Ophthalmic Units reached 64 (of which 50 are permanent and 14 travelling). This number shows an increase of seven units over that of 1933 and 41 units over that of 1923. (They are shown in detail in table No. XXII.)

OPHTHALMIC UNITS PROVIDED FOR IN THE BUDGET OF 1935-1936

(1) *Ophthalmic Hospital at Kafr el Sheikh.*

The construction of this hospital will be put into adjudication and the building is expected to be completed before the end of the financial year 1935-1936.

This hospital, after being built and equipped at the expense of the Gharbia Provincial Council, will be handed over to the Department of Public Health to maintain it.

The running expenses have already been granted in the Budget of the Department.

(2) *Three new ophthalmic branches in the following Markaz Hospitals:—*

Shebeen el Kanater, Koos, and Balyana; these are expected to be opened before the end of 1935.

(3) *Two Ophthalmic Clinics in Government Primary Schools.*

According to the policy of generalising the Ophthalmic Treatment in Government Primary Schools, this treatment will be introduced in two more schools at Cairo in the beginning of the School-Session 1935-1936.

(4) *Enlargement of the Ophthalmic Hospital at Benha.*

This hospital having become inadequate to accommodate the large number of attending patients, it has been decided to enlarge it. The local authorities have financially helped the Government in the credit required for this project. The State Buildings Department will shortly start the building which will be equipped by the Department of Public Health.

(5) *Increase of accommodation in Princess Fawkieh Ophthalmic Hospital at Rod el Farag.*

The number of patients attending this hospital has so increased that the present accommodation became inadequate. It has, therefore, been decided to add 59 beds to make up a total of 165 beds. The credit required for these beds has been granted.

OPHTHALMIC PROJECTS IN THE D.P.H. PROGRAMME FOR THE NEXT FIVE YEARS 1935-1939

1. Seven permanent ophthalmic hospitals.
2. Twenty ophthalmic branches in the General and Markaz hospitals.
3. Enlargement of 12 of the present ophthalmic hospitals.
4. A new travelling ophthalmic hospital.
5. Six ophthalmic clinics in Government Primary Schools.

These projects will be carried out at the expense of both the Government and the Provincial Councils. A Law has been recently passed allotting 20 per cent of the income of Provincial Councils for Medical and Sanitary purposes.

CLINICAL WORK

The following table shows the clinical work done during the year 1934, as compared with that of 1933 :—

	1933	1934	Increase in 1934
			Per cent.
New Patients	825,304	928,215	12
In-patients	25,728	27,860	8
Operations	277,424	305,206	10
Out-patients attendances	6,677,911	7,251,382	9

BLINDNESS

The number of patients who were found blind in one or both eyes, excluding cataract cases causing blindness, was 55,575 or 5.9 per cent of all patients examined at the Ophthalmic Hospitals. By adding the cataract cases causing blindness, the ratio becomes 6.2 per cent.

The pathological causes of blindness are detailed in table No. XI where it is shown that acute ophthalmias form 81 per cent of all causes. The gonococcus is still the predominant factor of infection with acute ophthalmias —its percentage to total of microbes being 42.

AGE OF PATIENTS

Out of 928,215 new patients treated 56,437 or 6.08 per cent were under the age of one year, 293,761 or 31.65 per cent from one to fifteen years of age and 529,931 or 57.09 per cent from one to thirty years of age. This fact shows that the mass of people recognises the importance of seeking ophthalmic treatment for infants, children and youths.

SCHOOL CLINICS

Ophthalmic examination, inspection and treatment are, at present, carried out in 32 Government Primary Schools. Details of ophthalmic work in schools are given in a special section at the end of this report.

10,459 pupils were examined, of whom 98 per cent were found to be suffering from trachoma in its various stages. About 41 per cent of these were in the serious stages of the disease (trachoma I and II). As a result of ophthalmic treatment, the latter percentage fell to 27.

In this connection it is to be noted that, in Government Schools, the most correct percentage of the prevalence of trachoma among school pupils can be obtained.

This is due to the fact that the examination and treatment are carried out in such schools constantly and regularly on pupils who are always under the supervision of treating doctors.

Pupils of 42 other Primary Schools and Kuttabs belonging to the Provincial Councils in Markazes (Districts), where permanent or travelling ophthalmic hospitals exist, received ophthalmic treatment at these hospitals, *i.e.* an increase of four schools over those of last year.

EXPENDITURE

The Upkeep of Ophthalmic Hospitals during the year 1934, including the cost of administration and expense of ophthalmic clinics in Primary Schools, amounted to L.E. 83,950 as shown in the detailed tables appended to this report which are significant of proper economical management. The Cost of maintenance, per day, of one out-patient was 10·55 milliemes. The in-patient costs, in addition, about 21 milliemes daily for food. The sources of provision of all Ophthalmic Units are shown in table XXII.

ACCOMMODATION

The number of beds reached 1,466 *i.e.* an increase of 158 beds over last year (of these, 95 beds are placed in new units, and 63 beds are added to old units).

POST-GRADUATE COURSE OF OPHTHALMOLOGY

During April 1934 the number of Medical Officers who have undergone post-graduate courses in Ophthalmology was 22, of these 12 were inspected in the preliminary clinical course and 6 of them passed, and 7 were inspected in the final clinical course and 3 of them succeeded.

During October their number was 19 of whom 4 were inspected in the preliminary course and 3 of them passed: 9 were inspected in the final clinical course and 8 of them passed. Those who failed twice were transferred to other branches of the Department.

PROVIDING THE OPHTHALMIC HOSPITALS WITH UP-TO-DATE APPLIANCES

The Department is taking special interest in providing the Ophthalmic Hospitals with up-to-date appliances.

THE XVTH INTERNATIONAL OPHTHALMIC CONGRESS, DECIDED TO BE HELD AT CAIRO, 1937

A note was received from the Secretary of the International Ophthalmic Council, to the effect that a meeting of the Council will be held in Paris on May 14, 1934, to consider some technical and administrative points, regarding the XVth Councilium Ophthalmologicum, Cairo, 1937.

Dr. Maziny Bey, Director of the Ophthalmic Hospitals, Department of Public Health attended the Council as Government delegate, and submitted a detailed report on the subjects discussed by the Council of which, the following are the most important:—

- (1) *Appointment of the President of the coming Congress, in Conjunction with the Egyptian Ophthalmic Society.*

1. According to a previous motion of the Egyptian Ophthalmological Society, and the decision of the International Council, Dr. Maziny Bey was elected Technical President of the Congress, H.E. The Minister of Interior being the Official President of the Congress.

II.—Fundus :—

(a) Optic atrophy	...	...	...	...	...	...	...	...	...	...	162
(b) Optic neuritis	...	...	...	...	...	...	...	...	...	...	15
(c) Retinitis pigmentosa	...	...	...	...	...	...	...	...	...	...	42
(d) Detachment of retina	...	...	...	...	...	...	...	...	...	...	103
(e) Other diseases of fundus	...	...	...	...	...	...	...	...	...	...	236

III.—Primary Glaucoma :—

(a) Monocular (including absolute=2,375)	3,370
(b) Binocular (including absolute=1,108)	2,159

IV.—Injury	358
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

V.—Operation	47
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VI.—Infectious diseases	27
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VII.—Iritis endogenous	1,786
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VIII.—Various	755
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Total excluding cataract cases	57,525
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Cataract cases	2,632
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TOTAL	60,157
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BLINDNESS

Total number of patients examined	838625
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One eye (including cataract cases) :—

Number	45,980
Rate per cent	5,48

Both eyes (including cataract cases) :—

Number	...	...	...	...	...	...	...	...	...	...	...	10,870
Rate per cent	...	...	...	...	...	...	...	...	...	...	...	1,29

One eye and both eyes (including cataract cases) :—

Number	...	...	...	...	...	...	...	...	...	...	...	56,850
Rate per cent	...	...	...	...	...	...	...	...	...	...	...	6,77

One eye (excluding cataract cases) :—

Number	...	...	...	...	...	...	...	...	...	...	...	44,025
Rate per cent	...	...	...	...	...	...	...	...	...	...	...	5,25

Both eyes (excluding cataract cases) :—

Number	...	...	...	...	...	...	...	...	...	...	...	10,193
Rate per cent	...	...	...	...	...	...	...	...	...	...	...	1,21

One eye and both eyes (excluding cataract cases) :—

Number	...	...	...	...	...	...	...	...	...	...	...	54,218
Rate per cent	...	...	...	...	...	...	...	...	...	...	...	6,46

This table comprises the diseases causing blindness in some parts and the lesions caused by these diseases in the other parts.

The figures give an exact idea of the common causes of blindness in our country. Any classification not demonstrative of the actual causes of blindness in the country concerned, with a view of making them known to the public on one hand and to the authorities on the other in order to utilise all efforts to combat and prevent these causes

of blindness, will be useless. It is fundamental to know the causes of blindness in order to combat them, and, I am therefore of opinion that the use of this table be continued in Egypt at least. In Egypt, the important causes of blindness are altogether different from those in Europe. Until conditions at home, as regards Ophthalmias, resemble those in Europe, then an International classification can be adopted in our case. This does not prevent me from saying that the classification as suggested by Dr. Marx appeals to me most."

INTERNATIONAL ORGANISATION OF THE CAMPAIGN AGAINST TRACHOMA

According to an invitation from the President and Vice-President, the Director, Ophthalmic Hospitals, attended the meeting of the Committee of this Organisation ; and the following was decided :—

1. Election of three or four members as reporters for the next meeting of 1935, in which the Social and Legal measures against Trachoma will be discussed.

Dr. M. Tewfic, Sub-Director of the Ophthalmic Section, D.P.H. of Cairo and Secretary to the Organisation, was elected to be one of the reporters.

2. A committee was formed to prepare the proposed programme for the near future.

Interesting Cases in 1934.

A monthly list of interesting cases seen at the various units of the Section is drawn up. About 610 Cases have been recorded as interesting during 1934. The following list shows some such cases (139 in number), that are rarely seen in the daily routine work rarely in Egypt :—

1. Rt. Tear of iris & opacity of lens. Traumatic.
2. Membranous conj. negative for D.B.
3. Epithelioma of inner canthus.
4. Pigmented nævus of limbus.
5. Detachment of Retina (myopic).
6. Traumatic corneo-scleral rupture of globe.
7. Retention cyst of conjunctival gland.
8. Granuloma of limbus.
9. Lt. Mycotic ulcer of cornea.
10. Streptothrix of conj. due to streptothrix *Fosterii*.
11. Microcornea with cong. coloboma of iris and Choroid.
12. Consecutive optic atrophy & cent. choroidal atrophy.
13. Retinitis punctata albescens in two brothers.
14. Retinitis pigmentosa & consecutive optic atrophy.
15. Metastatic endophthalmitis sec. to puerperal fever.
16. Lt. Traumatic cataract (with a needle).
17. Persistent pupillary membrane.
18. Buphthalmos & dislocated lens in A.C.
19. Post-neuritic optic atrophy.
20. Rt. and Lt. High myopia & Choroidal atrophy.
21. Primary optic atrophy (Syphilitic).
22. Early epithelioma of limbus.
23. Tumour of the frontal bone invading the orbits with severe proptosis in a baby one year old, cause unknown.
24. Lt. Total ophthalmoplegia syphilitic.
25. R. Dendritic ulcer.
26. Exophthalmic goitre (Basedows' disease).
27. Basal-celled carcinoma of the lid.

28. Fuchs' coloboma.
29. Rt. Neuro-retinitis and Lt. Post neuro-retinitic optic atrophy (albumenuric)
30. Retrobulbar phlegmon causing proptosis and optic neuritis.
31. Rodent ulcer of lid.
32. Polypoid angio-fibroma.
33. Membranous conj. Positive for D.B.
34. Spring catarrh, Eosin. + (of bulbar conj.).
35. Solid dermoid of limbus.
36. Congenital coloboma of disc and choroid.
37. R. Orbital cellulitis.
38. Angiomatous granuloma of conjunctiva.
39. Diffuse choroiditis (specific).
40. Post neuritic optic atrophy (retro-bulbar) after cerebro spinal meningitis.
41. Rt. Arterio-sclerotic retinitis.
42. Interstitial Keratitis, syphilitic.
43. Exfoliation of lens capsule.
44. Naevus of limbus.
45. Pigmented naevus of conjunctiva.
46. Basal-celled carcinoma of Lt. upper lid.
47. Polypoid angiomatous granuloma of palpebral conj.
48. Symmetrical hyaline degeneration of cornea showing ring like opacities.
49. Rt. oculomotor paralysis (Wass. +++).
50. Angio-sarcoma.
51. Fly blown orbit.
52. Primary optic atrophy (? Brain Tumour).
53. Juvenile glaucoma.
54. Traumatic dislocation of cataractous lens into the A.C.
55. Iritis syphilitic.
56. Leprotic mass of cornea.
57. Congenital coloboma of iris and opaque nerve fibres in the same eye.
58. Haemangioma of lower lid.
59. Syphilitic optic neuro-retinitis.
60. High myopia & macular changes.
61. Remnant of the hyaloid artery.
62. Punctate deep keratitis nonvascular (syphilitic).
63. Lymphangioma of conjunctiva.
64. Heterochromia irides & heterochromia fundi.
65. Hemeralopia due to marked anaemia & transient oedema of O.D. and surrounding retina.
66. Dermolipoma of conjunctiva.
67. Mooren's Ulcer.
68. Retention cyst of caruncle.
69. Subhyaloid haemorrhage.
70. Rt. Chorio-retinitis due to gall bladder affection.
71. Microphthalmos.
72. Rt. Detachment of retina; Lt. Myopic Choroidal atrophy & macular degeneration.
73. Albuminuric neuro-retinitis.
74. Syphilitic choroiditis.

75. Diabetic and albuminuric retinitis.
76. Heavily pigmented naevo-carcinoma of conjunctiva.
77. Fibroma undergoing sarcomatous change of the round cell type.
78. Irido-cyclitis due to pyorrhea alveolaris.
79. R. Gangrene of lid.
80. Rt. & Lt. Optic neuritis due to ethmoiditis.
81. Late infection after trephine.
82. Gumma of the orbit causing proptosis and limitation of ocular movements.
83. Rt. & Lt. High myopia & crescents and atrophic choroiditis. Rt. early formation of post staphyloma.
84. Distichiasis.
85. Apparent anophthalmia in a full term child (girl) 2 months old.
86. Rt. and Lt. Opaque nerve fibres & Fuchs' coloboma.
87. Ophthalmia neonatorum (condition rare in Egypt).
88. Adeno-carcinoma of Rt. Canthus.
89. Rt. Benign deep scrofulous keratitis.
90. Syphilitic periostitis of Lt. orbital margin.
91. Congenital coloboma of lids.
92. Sympathetic ophthalm a.
93. Rt. Ophthalmoplegia totalis, specific.
94. Rt. Papilloedema, Lt. beginning papilloedema (intra cranial pressure +).
95. Rt. Iritis (gonorrheal).
96. Rt. & Lt. Lamellar cataract.
97. Rt. & Lt. Iridocyclitis & Lt. Neuro-retinitis (albumin in urine and Ethmoiditis)
98. Glaucoma capsularis.
99. Cataracta coronoria.
100. Post neuritic optic atrophy & exophthalmos (cause oxycephalus).
101. Rt. Proptosis (syphilitic gumma).
102. Abscess of cornea.
103. Tumour of upper lid, most probably tuberculous.
104. Deep keratitis due to sinusitis (cured after treatment of sinuses).
105. Hysterical amaurosis of Lt. Eye.
106. Arteriosclerosis of fundus vessels & Rt. Thrombosis of central Vein.
107. Glioma retinae.
108. Iritis, tuberculous.
109. Disseminated choroiditis & consecutive optic atrophy, syphilitic.
110. Primary optic atrophy cause (tabes in the preataxic stage).
111. Diabetic retinitis.
112. Gumma of roof of orbit causing down and anterior displacement of Lt. Globe (subsided under treatment).
113. Syphilitic ulcer of bulbar conjunctiva.
114. Endothelioma of lid.
115. Endogenous iritis due to pyorrhea alveolaris.
116. Lachrymal abscess & syphilitic periostitis, Wass. +++++.
117. Total ophthalmoplegia syphilitic.
118. Traumatic iridodialysis.
119. Molluscum contagiosum.
120. Orbital cellulitis.
121. Papilloma of lid undergoing very slow malignant change.

122. Idiosyncrasy to mercury.
123. Optic atrophy secondary to erysipelas and abscess of orbit.
124. Orbital periostitis secondary to ethmoiditis.
125. Double lower puncta of lacrimal canaliculus.
126. Osteoma of orbit.
127. Superficial punctate keratitis.
128. Congenital lipoma of conjunctiva.
129. Retinitis proliferans.
130. Acute cyclitis syphilitic.
131. Choked disc after tumour of base, subsiding after trephine of the skull.
132. Rudimentary nictitating membrane.
133. Tuberculosis of conjunctiva of eye-lid.
134. Congenital ptosis ê successful Hess operation.
135. Puerperal albuminuric neuro-retinitis.
136. Ophthalmoplogia totalis (6th, nerve spared) ê paralysis of ophthalmic and infra-orbital branches of 5th. nerve (syphilitic, congenital).
137. Phthisis bulbi ê bone formation in choroid.
138. Hysterical blepharospasm cured by suggestion.
139. Lymphoma of conjunctiva.

THE OPHTHALMOLOGICAL SOCIETY OF EGYPT

The annual meeting of this society was held on Friday and Saturday March 22nd. and 23rd, 1935 at Giza Memorial Ophthalmic Laboratory. 78 members attended, the majority of whom being Medical Officers of the Ophthalmic Hospitals. The following are the leading topics of the most important communications delivered in the meeting :—

1. Plastic operations for the restoration of the upper lid.
2. Three operative modifications :—
 - (a) Cyclodialysis.
 - (b) Advancement operation.
 - (c) Webster's (Maher's) Graft.
3. The advantages of the Diathermic Pyrometric electrode in the treatment of retinal detachment.
4. The extraction of cataract with diathermy.
5. Idiopathic circumorbital and lid gangrene as seen in a recent case with bacteriological findings.
6. Oriental sore of the eyelid and conjunctiva.
7. Few remarks on the incidence of Eosinophilia in the conjunctival secretions in Egypt.
8. An introduction to the study of discolouration of the conjunctiva due to pigmentary changes or metallic deposits.
9. Histopathology, bacteriology and treatment of Bitôt spots.
10. Observations on trachoma stage 1.
11. Factors in the seasonal incidence of acute ophthalmias.
12. Blastomycosis of the conjunctiva.
13. Keratitis Epithelialis vernalis.
14. Trachomatous interstitial keratitis.
15. Fuch's heterochromia irides with cataract.
16. Diplocoria in the donkey.
17. A case of congenital axial cataract with cholestrin deposits.
18. Cataract in myotonia atrophica.
19. The predetachment period. Four cases of retinal ruptures discovered before detachment supervened. The treatment of such cases.
20. Ocular tuberculosis in Egypt.
21. Metastatic abscesses in the orbit and other parts of the body of a patient after an attack of typhoid.
22. Two cases of cerebro-spinal meningitis followed by transient blindness without evident clinical signs, ending in recovery.
23. Vitamin "A" therapy in xerosis and prexerosis.
24. Preliminary note on the therapeutic value of embryonic tissue extract injections in eye diseases.
25. Allergy in ocular diseases, its predominant role in ocular tubercular manifestations, the value of T.B. protein in diagnosis and treatment.
26. The incidence of malignant disease of the eye and its adnexa in Egypt.
27. A case of septic thrombosis of the cavernous sinus.
28. Contribution clinique à la pathogénèse de l'hémorragie expulsive.
29. The teeth and the eye in intraocular operations, incontestable clinical evidence proving the endogenous nature of iridocyclitis after cataract extraction in two cases.

TABLE I.—TECHNICAL WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1934.

1.—IN-PATIENTS : TOTAL NUMBER	27,860
Number of diets issued	456,569
2. — OPERATIONS :—	
I. Major :—	
(a) Senile cataract	1,700
(b) Soft cataract	370
(c) Trichiasis or entropion	89,674
(d) Other operations	27,067
TOTAL	118,811
II. Minor (including mechanical treatment of trachoma)... ..	186,395
GRAND TOTAL, major and minor operations	305,206
=Number of operations, page 18	
3.—OUT-PATIENTS :—	
I.—Incurable (1)	2,038
II.—Postponed	14,618
III.—Tickets issued, <i>i.e.</i> new cases	928,215
IV.—Old cases	6,306,511
V.—Visits made by patients to hospital for treatment=(I+II+III+IV)	7,251,382
VI.—Average number of visits made to hospital by each patient under regular treatment (old cases + tickets issued) ÷ tickets issued.	
The factor of incurable cases is neglected	7.79
VII.—Discharges :	
(a) Cured	243,886
(b) Relieved	112,474
(c) Incurable(2)... ..	1,616
(d) Spontaneously ceased to attend after having attended only once ...	101,278
(e) " " " " " more than once	191,656
VIII.—Trichiasis cases seen among new out-patients :—	
(a) No previous operation having been performed	74,274
(b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan)	7,309
IX.—Spectacles ordered	2,054
X.—Constant wash cases (number of days'treatment)	1,560,968
XI.—Ages of patients examined :	
Under one year	56,437
From 1 to 5 years	119,173
" 6 " 10 "	89,276
" 11 " 15 "	85,312
" 16 " 20 "	77,495
" 21 " 25 "	76,404
" 26 " 30 "	82,271
" 31 " 35 "	74,591
" 36 " 40 "	65,572
" 41 " 45 "	57,315
" 46 " 50 "	47,723
" 51 " 55 "	29,899
" 56 " 60 "	25,460
" 61 " 65 "	19,646
" 66 " 70 "	13,275
Over 70 years	8,366
TOTAL	928,215

N.B. —(1) Incurable cases do not receive tickets, but are recognised as soon as seen by the surgeon as both incurable and devoid of surgical interest.

(2) Incurable cases include those which are recognised as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.

TABLE II.—LIST OF DISEASES (*continued*).

Eyelids (contd.) :—

Ectropion	1,405
Lagophthalmos	1,247
Blepharitis	71,356
Hordeolum	3,289
Wart	778
Chalazion	3,812
Eczema	1,600
Rodent ulcer	30
Dermoid	125
Ptosis	638
Erysipelas	3
Herpes	91
Chancre	1
Epithelioma	11
Other tumours	104
Leucoderma	59
Injuries and abscesses	1,746

Lacrimal Apparatus :—

Lacrimal fistula	499
Stenosis of the duct	742
Dacryocystitis, acute	316
„ chronic	10,708
Cyst of lacrimal gland	300

Cornea :—

Ulceration, simple	48,193
„ hypopyon	2,614
„ perforation	11,848
„ special forms	851
Pannus	75,108
Keratitis, interstitial	34
„ trachomatous	5,888
Nebula or leucoma	304,472
Adherent leucoma	41,163
Totally opaque cornea	16,305
Staphyloma	7,382
Xerosis of cornea	1,485
Abscess of cornea	49
Conical cornea (congenital)	21
Keratictasia	1,995
Injuries (burn, foreign bodies, etc.)	2,611

Limbus :—

Tumours	60
Dermoid	6
Epithelioma	19

Iris :—

Anterior synechia	4,681
Posterior „	3,762
Inflammation	1,612
Iris bombé	49
Irido-dialysis	102
Congenital coloboma	67
Aniridia	7
Persistent pupillary membrane	104
Iridodonesis	719
Various	105

TABLE II.—LIST OF DISEASES (*continued*)

Glaucoma :—

Primary, acute	} Including absolute glaucoma caused by acute, { sub-acute or chronic glaucoma.	66
„ sub-acute		352
„ chronic		7,093
Secondary		12,557

Globe :—

Shrunken globe	20,173
Buphthalmos	36
Exophthalmic goitre	12
Panophthalmitis	480
Microphthalmos... ..	48
Anophthalmos	4
Injury	147

Orbit :—

Tumours	39
Cellulitis	42
Tenonitis	4
Periostitis	12
Injuries	41
Cyst, frontal	16
„ ethmoidal	5
Contracted socket	64
Fly-blown	49

TABLE III.—CAUSES OF OPTIC ATROPHY.

<i>Optic Atrophy :—</i>	
A (1) Primary :—	
The spinal diseases causing the condition are :—	
G.P.I.	—
Tabes	12
Disseminated sclerosis	—
Lateral sclerosis	—
Spastic paraplegia	—
Lebers hereditary optic atrophy	—
Congenital optic atrophy	1
Unknown	17
It may also be caused by :	
Arterio-sclerosis	3
(2) Compression of the optic chiasma or of the optic nerve by a tumour or injury by a projectile or bony fracture may produce optic atrophy of a primary type	7
(3) Retro-bulbar neuritis :—	
The acute form causes atrophy of the optic nerve, primary in type, not infrequently.	
The chronic form more rarely.	
Acute retro-bulbar neuritis. The causes are :—	
(a) Sepsis (dental, periostitis, middle ear, accessory sinuses)	10
(b) Acute fevers (including syphilis and rheumatism)	21
(c) Intoxications (alcohol, lead)	—
(d) Nervous diseases (disseminated sclerosis, acute myelitis)	—
Chronic retro-bulbar neuritis may be caused by tobacco, alcohol, diabetes, iodoform, opium, etc.	—
B. Post-neuritic :—	
The causes of optic neuritis, all of which may be followed by post-neuritic atrophy, are as follows :—	
(a) Sepsis (dental, periostitis, middle ear, accessory sinuses)	4
(b) Acute fevers (including syphilis and rheumatism)	71
(c) Intoxications (kidney disease and diabetes, alcohol, felixmas)	22
(d) Nervous diseases : Diss. sclerosis, G.P.I., epilepsy	1
(e) Anæmia	2
(f) Unknown	20
TOTAL (equal Optic Atrophy, page 14) ...	191

TABLE IV.—LIST OF OPERATIONS.

Eyelids :—

For trichiasis and entropion :—

Snellen's	73,555
Anagnostakis	90
Snellen-Anagnostakis	197
Canthoplasty	7,405
Grafting mucous membrane	8,105
Electrolysis (minor)	4,501
Excision of lash (minor)	1,848
Other operations	322

For Ectropion :—

Plastic	89
Mac Callan's	—
Kenneth Scott's	—
Kuhnt's	19
Other operations	85
For ptosis	42
For symblepharon	107
For hordeolum and chalazion (minor)	4,176
Cyst removed	273
Wart excised (minor)	343
Restitching wounds (minor)	165
Opening abscesses (minor)	1,131
Various	259

Conjunctiva :—

For trachoma :—

Expression or Mechanical treatment (minor)	95,773
Combined excision of Heisrath	459
Post-trachomatous degeneration (minor)	71,155
Other operations } (minor)	1,415
} (major)	344
Pterygium	5,111

Cornea :—

Foreign body removed (minor)	1,818
Sæmisch's section	314
Cautery	475
Various	201

Iris :—

Iridectomy for adherent leucoma	5,720
„ visual	735
„ for glaucoma	1,865
„ preliminary for cataract	244
Cystoid cicatrix	13
Division of anterior synechia	13
Various	116

Lacrimal Sac :—

Excision	6,912
Various (minor)	4,070

**TABLE V. -NUMBER OF NEW PATIENTS TREATED AND OPERATIONS PERFORMED
AT ALL OPHTHALMIC HOSPITALS DURING 1934.**

HOSPITALS						NUMBER OF PATIENTS	HOSPITALS						NUMBER OF OPERATIONS
Rod el Farag	...	...	...	...	...	70,756	Rod el Farag	...	...	...	...	...	20,528
No. 1, T. O. H.	...	...	...	...	...	52,926	Giza	...	...	...	...	...	12,421
Giza	...	...	...	...	...	51,951	Tanta	...	...	...	...	...	11,908
Tanta	...	...	...	...	...	30,773	Bani Suef	...	...	...	...	...	11,495
Bani Suef	...	...	...	...	...	28,378	Assiout	...	...	...	...	...	10,951
Assiout	...	...	...	...	...	27,358	Demerdash	...	...	...	...	...	9,046
Demerdash	...	...	...	...	...	25,555	No. 1, T.O.H.	...	...	...	...	...	8,867
Minya	...	...	...	...	...	25,102	Ashmoun	...	...	...	...	...	8,264
Alexandria	...	...	...	...	...	24,813	Sohâg	...	...	...	...	...	7,864
Port Said	...	...	...	...	...	24,024	Fayoûm	...	...	...	...	...	7,798
Zagazîg	...	...	...	...	...	19,115	Shebîn el Kôm	...	...	...	...	...	6,669
Fayoûm	...	...	...	...	...	18,860	Minya	...	...	...	...	...	6,535
Sohâg	...	...	...	...	...	18,774	Alexandria	...	...	...	...	...	5,754
Shebîn el Kôm	...	...	...	...	...	17,864	No. 2, T.O.H.	...	...	...	...	...	5,729
Damanhour	...	...	...	...	...	17,411	Zagazîg	...	...	...	...	...	5,623
Mansûra	...	...	...	...	...	17,165	Maghagha	...	...	...	...	...	5,541
Mellawi	...	...	...	...	...	17,009	Mansoura	...	...	...	...	...	5,445
Fikria	...	...	...	...	...	17,003	No. 11, T.O.H.	...	...	...	...	...	5,304
Mahalla	...	...	...	...	...	16,419	No. 4, T.O.H.	...	...	...	...	...	5,224
Girga	...	...	...	...	...	16,219	No. 7, T.O.H.	...	...	...	...	...	5,211
Maghagha	...	...	...	...	...	15,300	No. 5, T.O.H.	...	...	...	...	...	5,133
Benha	...	...	...	...	...	15,295	Mallawi	...	...	...	...	...	4,988
Mit Ghamr	...	...	...	...	...	14,359	Assiout, P.C., T.O.H.	...	...	...	...	...	4,944
No. 11, T.O.H.	...	...	...	...	...	14,106	Mahalla	...	...	...	...	...	4,916
Assiout, P.C., T.O.H.	...	...	...	...	...	13,706	No. 6, T.O.H.	...	...	...	...	...	4,819
Ashmoun	...	...	...	...	...	13,143	Qena	...	...	...	...	...	4,681
Qena	...	...	...	...	...	12,475	Luxor	...	...	...	...	...	4,672
Damietta	...	...	...	...	...	12,329	Mit Ghamr	...	...	...	...	...	4,588
Suez	...	...	...	...	...	12,280	Banha	...	...	...	...	...	4,490
No. 6, T.O.H.	...	...	...	...	...	12,188	No. 8, T.O.H.	...	...	...	...	...	4,368
No. 7, T.O.H.	...	...	...	...	...	12,185	No. 9, T.O.H.	...	...	...	...	...	4,318
No. 9, T.O.H.	...	...	...	...	...	11,937	Girga	...	...	...	...	...	4,274
Minouf	...	...	...	...	...	11,508	Dakahlia, P.C., T.O.H.	...	...	...	...	...	4,227
No. 4, T.O.H.	...	...	...	...	...	11,215	No. 10, T.O.H.	...	...	...	...	...	4,222
No. 5, T.O.H.	...	...	...	...	...	11,198	No. 12, T.O.H.	...	...	...	...	...	4,112
No. 8, T.O.H.	...	...	...	...	...	10,947	Kafr el Zayat	...	...	...	...	...	4,021
No. 12, T.O.H.	...	...	...	...	...	10,308	Fikria	...	...	...	...	...	3,927
Santa	...	...	...	...	...	10,265	Essna	...	...	...	...	...	3,721
Esna	...	...	...	...	...	10,038	Zifta	...	...	...	...	...	3,696
Zifta	...	...	...	...	...	9,826	Fakous	...	...	...	...	...	3,624
Taieba	...	...	...	...	...	9,247	Fowa	...	...	...	...	...	3,404
Mataria	...	...	...	...	...	9,239	Damietta	...	...	...	...	...	3,255
No. 10, T.O.H.	...	...	...	...	...	9,010	Minouf	...	...	...	...	...	3,223
Fakous	...	...	...	...	...	8,978	Santa	...	...	...	...	...	3,194
No. 2, T.O.H.	...	...	...	...	...	8,895	Saff	...	...	...	...	...	3,051
Fowa	...	...	...	...	...	8,778	Mataria	...	...	...	...	...	2,775
Kafr el Zayat	...	...	...	...	...	8,551	Delengat	...	...	...	...	...	2,605
Luxor	...	...	...	...	...	7,967	Taieba	...	...	...	...	...	2,596
Asswân	...	...	...	...	...	7,698	Suez	...	...	...	...	...	2,478
Disouk	...	...	...	...	...	7,653	Damanhour	...	...	...	...	...	2,460
Daqahlia, P.C, T.O.H.	...	...	...	...	...	7,477	Port Said	...	...	...	...	...	2,366
Edfou	...	...	...	...	...	7,209	Edfou	...	...	...	...	...	2,349
Kom Hamada	...	...	...	...	...	7,066	No. 3, T.O.H.	...	...	...	...	...	2,295
Rasheed	...	...	...	...	...	6,264	Kom Hamada	...	...	...	...	...	2,228
Saff	...	...	...	...	...	6,102	Disouk	...	...	...	...	...	2,226
No. 3, T.O.H.	...	...	...	...	...	5,233	Rasheed	...	...	...	...	...	2,009
Delingat	...	...	...	...	...	4,903	Sherbin	...	...	...	...	...	1,926
Sherbin	...	...	...	...	...	3,123	Asswan	...	...	...	...	...	1,892
Tala	...	...	...	...	...	3,031	Tala	...	...	...	...	...	1,293
Edfina	...	...	...	...	...	2,742	Edfina	...	...	...	...	...	1,272
Dayrout	...	...	...	...	...	2,259	Senbillawain	...	...	...	...	...	659
Wasta	...	...	...	...	...	1,763	Samalout	...	...	...	...	...	596
Samalout	...	...	...	...	...	1,535	Wasta	...	...	...	...	...	587
Senbillawain	...	...	...	...	...	1,409	Deyrout	...	...	...	...	...	493

Number of months working :—

Hospital	Months	Days	Hospital	Months	Days
Dayrout (opened on December 1st, 1934)	1	—	No. 2, T.O.H.	11	15
Wasta " " November 24th, "	1	7	" 4, T.O.H.	11	15
Samalout " " 21st, "	1	10	" 5, T.O.H.	11	15
Senbillawain (opened on November 17th, 1934)	1	14	" 7, T.O.H.	11	16
Sherbin (opened on September 22th, 1934)	3	9	" 9, T.O.H.	11	16
Tala " " 15th, "	3	16	" 12, T.O.H.	11	16
Edfina " " 6th, "	3	25	" 8, T.O.H.	11	17
Assiout P.C., T.O.H.	11	9	" 10, T.O.H.	11	17
No. 3, T.O.H.	11	14	Dakahlia P.C.T.O.H.	11	20
" 6, T.O.H.	11	14	Other Ophthalmic Hospitals ...	12	—

TABLE VI.—AVERAGE NUMBER OF MONTHLY MAJOR OPERATIONS AT ALL OPHTHALMIC HOSPITALS DURING 1934

HOSPITALS.	NUMBER OF MAJOR OPERS	HOSPITALS.	NUMBER OF MAJOR OPERS
Rod el Farag	733	No 10. T.O.H.	136
Giza	520	Maghagha	132
Assiout	421	Esna	130
Tanta	373	No. 9, T.O.H.	129
Demerdash	313	Fakous	128
Beni Suef	305	Assiout P.C., T.O.H.	126
No. 1, T.O.H.	301	Kafr el Zayat	117
Sohag	270	Minouf	107
El Fayoum	230	Edfou	103
Mansoura	209	Zifta	102
Shibin el Kom	208	Dilingat	100
No. 11, T.O.H.	195	Santa	99
Zagazig	191	No. 3, T.O.H.	99
No. 5, T.O.H.	190	Mataria	98
No. 2, T.O.H.	178	Port Said	91
Qena	173	Damietta	89
No. 7, T.O.H.	173	Damanhour	89
Luxor	170	Taieba	86
Minia	165	Fowa	83
Gerga	164	Disouk	77
Alexandria	163	Kom Hamada	75
Benha	162	Saff	72
No 8, T.O.H.	162	Rosetta	63
Mallawi... ..	157	Asswan	60
Daqahlia P.C., T.O.H.	150	Adfina	54
No. 6, T.O.H.	146	Sherrbin	49
No. 12, T.O.H.	146	Suez	37
Ashmoun	145	Tala	33
No 4, T.O.H.	143	Wasta	19
Fikria	139	Sinbellawain... ..	17
Mahalla El Kobra	138	Dayrout... ..	16
Mit Ghamr	137	Samalout	12

TABLE VI. (Cont.)—AVERAGE NEMBER OF MONTHLY MINOR OPERATIONS AL ALL OPHTHALMIC HOSPITALS DURING 1934.

HOSPITALS	NUMBER OF MINOR OPERS	HOSPITALS	NUMBER OF MINOR OPERS
Rod el Farag	978	Maghagha	330
Bani Suef	653	Alexandria	316
Tanta	619	No. 2, T.O.H.	293
Ashmoun	546	No. 4, T.O.H.	292
Giza	515	Assiout P.C., T.O.H.	286
Assiont	491	Zagazig	278
Demerdash	440	Mahalla el Kobra	272
No. 1, T.O.H.	438	No. 7, T.O.H.	262
Fayoum... ..	420	Mallawi... ..	259
Sohag	385	No. 6, T.O.H.	247
Minia	379	No. 11, T.O.H.	247
Shibin el Kom	348	Mit Ghamr	246

TABLE VI.—AVERAGE NUMBER OF MONTHLY OPERATIONS AT ALL
OPHTHALMIC HOSPITALS DURING 1934 (*contd.*).

HOSPITALS	NUMBER OF MINOR OPERS	HOSPITALS	NUMBER OF MINOR OPERS
Mansoura	244	Santa	168
No. 5, T.O.H.	238	Minouf	162
No. 9, T.O.H.	230	Mataria	134
Luxor	220	Taieba	130
Kafr el Zayat	218	Dilingat	118
Qena	217	Damanhour	116
No. 10, T.O.H.	216	Kom Hainada	115
Banha	212	Sherbin	112
Zifta	206	Disouk	109
Daqahlia P.C., T.O.H.	203	Port Said	106
No. 8, T.O.H.	202	Rosetta	105
Fowa	201	Asswan	97
No. 12, T.O.H.	197	Edfou	92
Girga	192	No. 3, T.O.H.	92
Fekria	190	Tala	75
Damietta	183	Difina	52
Saff	183	Samalout	38
Esna	180	Sinblawain	37
Fakous	174	Wasta	29
Suez	169	Dayrout... ..	25

TABLE VII.—NEW PATIENTS TREATED ACCORDING TO THE AGE
AT WHICH THEY SOUGHT TREATMENT.

AGE	NO. OF PATIENTS
Under one year	56,437
From 1 to 5 years	119,173
" 6 to 10 "	89,276
" 11 to 15 "	85,312
" 16 to 20 "	77,495
" 21 to 25 "	76,404
" 26 to 30 "	82,271
" 31 to 35 "	74,591
" 36 to 40 "	65,572
" 41 to 45 "	57,315
" 46 to 50 "	47,723
" 51 to 55 "	39,899
" 56 to 60 "	25,460
" 61 to 65 "	19,646
" 66 to 70 "	13,275
Over 70 years	8,366
TOTAL	928,215

TABLE VIII.—NEW PATIENTS TREATED MONTHLY.

MONTHS	NO. OF PATIENTS
January	33,140
February	36,276
March	38,009
April	80,151
May	97,737
June	109,117
July	120,479
August	97,055
September	89,527
October	96,683
November	75,722
December	54,319
TOTAL	928,215

TABLE IX.—AVERAGE TEMPERATURE.

The average temperature was obtained by taking the monthly mean temperature of three places, one in Lower Egypt (Gemeiza), another in Cairo (Gîza), and a third in Upper Egypt (Assiût). This is shown in the following table, the reading being in degrees centigrade.

MONTHS	GEMEIZA	GÎZA	ASSIOUT	AVERAGE
January	11·3	11·6	12·2	11·7
February	10·1	10·4	11·1	10·5
March	15·4	16·1	18·2	16·6
April	19·0	19·8	22·6	20·5
May	22·6	23·8	27·4	24·6
June	25·7	26·6	28·7	27·0
July	26·2	27·0	28·5	27·2
August	26·4	26·8	28·6	27·3
September	24·4	24·2	26·4	25·0
October	22·3	22·5	24·2	23·0
November	18·7	18·6	19·3	18·9
December	14·0	13·8	14·1	14·0

TABLE X.—SYNOPSIS OF WORK OF ALL OPHTHALMIC HOSPITALS SINCE 1931.

	1931	1932	1933	1934
<i>Hospitals in existence :—</i>				
Travelling	14	14	14	14
Permanent	35	38	43	50
New patients treated	634,088	714,551	825,304	928,215
Total attendances of out-patients	5,023,175	5,711,654	6,677,911	7,251,382
Operations performed	220,823	242,365	276,424	305,206
In-patients	22,188	23,128	25,728	27,860
<i>Details :—</i>				
Patients examined	652,338	737,990	838,625	944,871
Patients regularly treated	634,088	714,551	825,304	928,215
Incurable cases	5,340	3,848	3,996	3,654
Blind in one eye	38,433	40,215	45,980	47,122
„ both eyes	8,489	10,740	10,870	11,371
Trichiasis cases examined	68,936	68,682	67,373	81,583
„ eyes operated on and cured	73,285	73,907	82,950	89,674

TABLE XII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES SINCE 1931

	1931	1932	1933	1934
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
<i>Permanent Ophthalmic Hospitals :—</i>				
Tanta	4.56	4.33	4.13	3.46
Assiout	7.72	9.82	8.37	8.28
Mansoura	11.16	8.30	8.54	6.04
Bani Suef	11.42	12.10	11.60	6.48
Zagazig	7.60	7.72	4.99	8.35
Damanhour	6.72	6.89	6.59	6.48
Shibin el Kôm	6.01	4.95	4.96	4.99
Sohag	13.63	13.83	12.37	12.25
Minya	12.57	12.92	13.42	10.32
Fayoum	9.90	9.60	9.26	8.22
Banha	7.63	6.30	4.46	4.44
Alexandria	4.85	5.04	4.49	4.52
Port Said	4.63	3.53	3.75	6.23
Qena... ..	7.18	5.97	8.78	8.50
Damietta	3.42	4.11	5.93	4.85
Giza	5.52	5.45	5.46	4.92
Suez	4.97	4.23	4.18	3.95
Kom Hamada	8.33	7.61	6.57	3.73
Mallawi	3.19	2.55	2.28	3.05
Mit Ghamr... ..	8.38	7.36	6.15	3.99
Maghagha	7.92	7.44	7.53	7.96
Fikriya	5.02	4.11	4.45	4.38
Asswân	6.41	8.69	7.73	8.03
Rod el Farag	4.97	4.85	4.85	4.89
Taieba	3.94	4.67	4.68	4.64
Esna	10.14	9.72	8.17	6.81
Disouk	10.51	10.19	9.14	8.88
Demerdash... ..	3.86	3.84	3.32	3.05
Matarîya	4.50	3.99	3.61	3.90
Luxor... ..	3.46	11.26	15.16	12.19
Rasheed	—	7.33	7.44	5.23
Fakous	—	6.83	5.12	5.04
Girga	—	8.70	8.47	6.30
Mahalla el Kubra	6.56	5.68	4.88	3.79
Kafr el Zayât	5.17	5.21	5.84	4.59
Santa	3.93	3.90	4.43	3.32
Minouf... ..	4.48	4.24	4.44	4.13
Ashmoun	7.67	7.29	6.59	4.57
Fowa	—	—	3.90	5.09
Delingat	—	—	15.87	9.50
Edfou	—	—	8.20	5.66
El Saff... ..	—	—	6.65	5.44
Zifta	—	—	6.48	6.34
Edfina... ..	—	—	—	8.23
Tala	—	—	—	8.70
Sherbin	—	—	—	6.03
Senbillawain	—	—	—	10.57
Samalout	—	—	—	17.39
Wasta	—	—	—	7.41
Dayrout	—	—	—	6.55
<i>Travelling Ophthalmic Hospitals :</i>				
No. 1, Travelling (Citadel)	10.50	10.30	10.26	9.06
No. 2, Travelling :				
Dilingat	11.26	—	—	—
Abul Matamîr	16.80	15.39	—	—
Mahmoudia	—	8.26	7.34	—
Shoubrahit	—	—	14.16	9.80
Etiai el Baroud	—	—	—	10.00
No. 3, Travelling :				
Idfou	11.63	8.21	—	—
Kom Ombo... ..	7.44	6.04	5.93	6.99
Daraw	—	5.89	7.38	7.25

TABLE XII (*contd.*).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1931	1932	1933	1934
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
No. 4, Travelling :				
Fakous	8.03	—	—	—
Ismailîa	8.27	7.67	—	—
Bilbeis	—	9.49	8.56	—
Kafr Sakr	—	—	8.24	8.48
Minial Qamh	—	—	—	7.27
No. 5, Travelling :				
Tahta	13.82	—	—	6.49
Balyana	11.19	9.98	12.65	—
Akhmîm	—	—	12.66	12.03
No. 6, Travelling :				
Quesna	7.29	—	—	—
Tala	9.05	7.39	—	—
Berket el Sabbe	—	—	6.04	8.24
El Shouhada	—	4.06	7.96	—
Tonoub	—	—	—	6.32
No. 7, Travelling :				
Biba	7.42	—	—	9.41
Sinnouris	6.13	8.69	—	—
El Wasta	—	9.71	8.90	—
Meniet El Hait... ..	—	—	10.24	10.21
No. 8, Travelling :				
Samallout	8.84	8.37	5.93	—
El Fashn	—	—	6.20	5.90
Bani Mazar	8.63	7.37	—	4.39
No. 9, Travelling :				
Embaba	—	—	5.86	4.52
Ayat	7.49	—	—	4.51
El Saff	5.35	—	—	—
El Hawamdîya	2.93	6.38	—	—
Oseem	—	1.94	6.02	—
No. 10, Travelling :				
Nage Hammadi... ..	11.03	6.94	8.36	—
Deshna	—	—	9.85	7.46
Luxor	17.65	—	—	—
Kous	—	—	—	11.75
No. 11, Travelling :				
Shibin el Qanater	—	4.42	5.47	—
Toukh	4.22	—	—	—
El Kanater el Khairîya	5.10	6.44	—	—
Kaliub... ..	—	—	5.00	4.81

TABLE XII (*contd.*).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1931	1932	1933	1934
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
No. 12, Travelling:				
Kafr el Sheikh	—	—	3.54	4.77
Basyoun	—	—	—	4.04
Assiout Provincial Council:				
Manfalout	6.44	5.68	3.81	—
Dayrout	—	1.33	2.90	—
Abnoub	9.88	—	—	3.08
Abou Tig	9.07	—	—	4.00
El Badâri	—	7.71	4.49	—
Deir Moas	9.40	—	—	—
Daqahliya Provincial Council:				
Aga	6.79	4.38	5.65	—
Sinbillâwain	7.17	4.90	—	—
Diarb Negm	—	—	7.17	8.30
Dikirnis	7.42	—	—	5.94
Fareskour	—	—	3.83	—

N.B.—It is noticed in this table that the percentage of blindness varies in one hospital in different years. This is most probably due to several reasons, the important of which are : that the same blind patient might have visited the same hospital several times, that the patient might have visited several hospitals, that the surgeons of the same hospital are changed and also due to the amount of care exercised in booking these cases.

TABLE XIII.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909.

YEAR.	TOTAL NUMBER OF PATIENTS EXAMINED.	ONE EYE INCLUDING CATARACT CASES.		BOTH EYES INCLUDING CATARACT CASES.		ONE EYE AND BOTH EYES INCLUDING CATARACT CASES.		ONE EYE EXCLUDING CATARACT CASES.		BOTH EYES EXCLUDING CATARACT CASES.		ONE EYE AND BOTH EYES EXCLUDING CATARACT CASES.	
		Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1909	...	2,116	9.4	1,385	6.1	3,501	15.6	—	—	—	—	—	—
1910	...	2,438	9.5	2,010	7.8	4,448	17.4	—	—	—	—	—	—
1911	...	3,196	10.2	2,811	8.9	6,007	19.2	—	—	—	—	—	—
1912	...	4,115	9.4	2,824	6.4	6,939	15.2	—	—	—	—	—	—
1913	...	5,361	8.6	3,878	6.2	9,238	14.8	—	—	—	—	—	—
1914	...	6,425	8.5	3,591	4.7	10,016	13.2	—	—	—	—	—	—
1915	...	5,637	7.8	2,992	4.2	8,629	12.0	—	—	—	—	—	—
1916	...	7,042	7.4	3,504	3.7	10,546	11.2	—	—	—	—	—	—
1917	...	9,285	9.3	4,611	4.6	13,996	13.9	—	—	—	—	—	—
1918	...	8,969	9.9	4,261	4.7	13,230	14.6	—	—	—	—	—	—
1919	...	8,537	10.2	4,278	5.1	12,815	15.3	—	—	—	—	—	—
1920	...	9,833	9.1	5,154	4.7	14,987	13.8	—	—	—	—	—	—
1921	...	10,566	8.3	5,053	3.9	15,619	12.2	—	—	—	—	—	—
1922	...	12,524	8.5	4,850	3.3	17,374	11.8	—	—	—	—	—	—
1923	...	14,394	8.3	5,146	2.9	19,540	11.2	—	—	—	—	—	—
1924	...	16,535	8.0	5,716	2.8	22,251	10.8	—	—	—	—	—	—
1925	...	19,422	7.9	6,137	2.5	25,559	10.4	—	—	—	—	—	—
1926	...	21,979	7.7	6,702	2.6	28,681	10.1	—	—	—	—	—	—
1927	...	26,591	7.4	8,689	2.4	35,280	9.8	—	—	—	—	—	—
1928	...	28,816	7.2	8,592	2.1	37,408	9.3	—	—	—	—	—	—
1929	...	21,893	6.6	8,697	2.8	40,590	8.4	—	—	—	—	—	—
1930	...	36,021	6.6	9,513	1.7	45,534	8.4	—	—	—	—	—	—
1931	...	38,433	5.9	9,489	1.4	47,922	7.3	—	—	—	—	44,851	6.9
1932	...	40,215	5.4	10,740	1.5	50,955	6.9	36,945	5.0	11,220	1.5	48,165	6.5
1933	...	45,980	5.4	10,870	1.3	56,850	6.7	44,025	5.2	10,193	1.2	54,218	6.4
1934	...	47,122	5.0	11,371	1.2	58,493	6.2	45,056	4.8	10,519	1.1	55,575	5.9
TOTAL	...	463,544	6.7	152,864	2.2	616,408	8.9	126,026	1.8	31,932	4.6	202,809	2.9

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one metre.

TABLE XIV.—YEARLY PERCENTAGE OF BLINDNESS AMONG
OPHTHALMIC HOSPITAL PATIENTS SINCE THE YEAR 1909.

YEAR	Per Cent. of Blindness in one or both eyes in- cluding cataract cases	Percentage of Blindness in one or both eyes excluding Cataract cases	YEAR	Per Cent. of Blindness in one or both eyes in- cluding cataract cases	Percentage of Blindness in one or both eyes excluding Cataract cases
1909	15·6	—	1922	11·8	—
1910	17·4	—	1923	11·2	—
1911	19·2	—	1924	10·8	—
1912	15·2	—	1925	10·4	—
1913	14·8	—	1926	10·1	—
1914	13·2	—	1927	9·8	—
1915	12·0	—	1928	9·3	—
1916	11·2	—	1929	8·4	—
1917	13·9	—	1930	8·4	—
1918	14·6	—	1931	7·3	6·9
1919	15·3	—	1932	6·9	6·5
1920	13·8	—	1933	6·7	6·4
1921	12·2	—	1934	6·2	5·9

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say inability to count fingers held up at a distance of one metre.

TABLE XV.—PRIMARY GLAUCOMA.

Acute	66)
Sub-acute	352)*
Chronic	7,093)
TOTAL	7,511
Total number of patients examined	944,871
Per cent. of glaucoma cases	·79
Per cent. of absolute glaucoma cases	·42
Operations :—	
Iridectomy	1,865
Trephining with iridectomy	1,295

* Including 4,000 absolute monocular and binocular.

TABLE XVI.—INCIDENCE OF PRIMARY GLAUCOMA SINCE 1923.

Varieties	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
Acute	25	47	30	32	56	37	53	50	82	36	102	66
Subacute	119	87	144	184	168	326	261	295	183	202	288	352
Chronic	2,872	2,977	3,087	3,401	3,916	4,320	5,050	6,380	5,552	6,276	6,223	7,093
TOTAL*	3,016	3,111	3,261	3,617	4,140	4,683	5,364	6,725	5,817	6,514	6,613	7,511
TOTAL number of patients examined	174,004	206,342	246,771	283,602	361,577	401,530	479,932	539,318	652,338	737,990	838,625	944,871
Per cent. of glaucoma cases	1.73	1.51	1.32	1.27	1.14	1.16	1.12	1.25	0.89	0.88	0.79	0.79
Per cent. of absolute glaucoma cases	1.23	0.77	0.68	0.76	0.68	0.68	0.62	0.70	0.53	0.55	0.41	0.42
Operations:												
Iridectomy	503	450	753	668	588	877	959	1,101	1,030	981	1,719	1,865
Trephining with iridectomy	643	908	991	1,073	954	1,190	1,196	1,144	1,093	1,107	1,332	1,295

* Including absolute monocular and binocular.

TABLE XVII.—PATROLOGICAL REPORT (*contd.*).

Tumours :		
Malignant		3
Orbit :—		
Inflammation		2
Tumours :		
Benign including cysts		5
Malignant		6
Lacrimal Glands :—		
Inflammation		1
Tumours :		
Malignant		1
Lacrimal Sac :—		
Inflammation		24
Tumours		1
Caruncle :—		
Inflammation		7
Tumours (Benign including cysts)		5
Plica Semilunaris :—		
Tumours (Benign)		1
Glaucoma :—		
Primary		2
Secondary :		
Anterior synechia or adh. leucoma		85
Inflammation (Irido-cyclitis, etc.)... ..		7

TABLE XVII.—PATHOLOGICAL REPORT (*continued*).

<i>Endophthalmitis :—</i>																			
Endogenous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
<i>Sympathetic Ophthalmia</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Phthisis Bulbi :—</i>																			
Inflammation	...	..	...	..	..	..	...	...	...	...	...	...	...	...	...	...	...	28
<i>Fly-Blown Orbit</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
<i>Unclassified</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
<i>Undetermined</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
<i>Examination of Cells :—</i>																			
Eosinophilia :																			
Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	134
<i>Other Animals (Horses, Mules and Donkeys) :—</i>																			
Diseased	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
GRAND TOTAL																	781

TABLE XVIII.—WASSERMANN TEST.

Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	279
Doubtful	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1411
Unfit	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	108
Anticomplementary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
TOTAL																			1809

TABLE XIX.—RESULT OF EXAMINATION OF DIPHTHERIA SPECIMENS.

Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	615
Sterile	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Unfit	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
TOTAL																		648

TABLE XX.—NUMBER OF BEDS AT ALL OPHTHALMIC HOSPITALS.

HOSPITALS								FIRST	SECOND	THIRD
No. 1 Travelling ...	...	...	...	...	...	...	...	—	—	30
" 2 "	...	...	...	...	...	...	...	—	—	20
" 3 "	...	...	...	...	...	...	...	—	—	20
" 4 "	...	...	...	...	...	...	...	—	—	20
" 5 "	...	...	...	...	...	...	...	—	—	20
" 6 "	...	...	...	...	...	...	...	—	—	20
" 7 "	...	...	...	...	...	...	...	—	—	20
" 8 "	...	...	...	...	...	...	...	—	—	20
" 9 "	...	...	...	...	...	...	...	—	—	20
" 10 "	...	...	...	...	...	...	...	—	—	20
" 11 "	...	...	...	...	...	...	...	—	—	20
" 12 "	...	...	...	...	...	...	...	—	—	20
Tanta ...	...	...	...	...	...	...	...	—	—	43
Assiout ...	...	...	...	...	...	...	...	1	—	55
Mansoura ...	...	...	...	...	...	...	...	—	—	78
Beni Suef ...	...	...	...	...	...	...	...	—	—	56
Zagazig ...	...	...	...	...	...	...	...	—	—	36
Damanhour ...	...	...	...	...	...	...	...	—	—	31
Shibîn el Kôm ...	...	...	...	...	...	...	...	—	—	27
Sohâg ...	...	...	...	...	...	...	...	—	—	23
Minya ...	...	...	...	...	...	...	...	—	—	25
Fayoum ...	...	...	...	...	...	...	...	—	—	10
Benha ...	...	...	...	...	...	...	...	—	—	24
Alexandria ...	...	...	...	...	...	...	...	—	—	74
Port Said ...	...	...	...	...	...	...	...	2	4	42
Qena ...	...	...	...	...	...	...	...	—	—	31
Damietta ...	...	...	...	...	...	...	...	—	—	35
Giza ...	...	...	...	...	...	...	...	—	—	77
Mallawi ...	...	...	...	...	...	...	...	—	—	25
Suez ...	...	...	...	...	...	...	...	—	—	11
Mît Ghamr ...	...	...	...	...	...	...	...	—	—	12
Maghagha ...	...	...	...	...	...	...	...	—	—	15
Fikria ...	...	...	...	...	...	...	...	—	—	13
Asswân ...	...	...	...	...	...	...	...	—	—	23
Rod el Farag ...	...	...	...	...	...	...	...	2	4	100
Taieba ...	...	...	...	...	...	...	...	—	—	8
Esna ...	...	...	...	...	...	...	...	—	—	24
Disouk ...	...	...	...	...	...	...	...	—	—	12
Demerdash ...	...	...	...	...	...	...	...	—	—	16
Matariya... ..	...	...	...	...	...	...	...	—	—	23
Santa ...	...	...	...	...	...	...	...	—	—	10
Daqahlîa Provincial Council Travelling Oph- thalmic Hospital ...	...	...	...	...	...	...	...	—	—	12
Luxor ...	...	...	...	...	...	...	...	—	—	25
Rasheed ...	...	...	...	...	...	...	...	—	—	12
Fakous ...	...	...	...	...	...	...	...	—	—	12
Girga ...	...	...	...	...	...	...	...	—	—	12
Ashmoun ...	...	...	...	...	...	...	...	—	—	8
Fowa ...	...	...	...	...	...	...	...	—	—	6
Saff... ..	...	...	...	...	...	...	...	—	—	8
Dilingat ...	...	...	...	...	...	...	...	—	—	12
Edfou ...	...	...	...	...	...	...	...	—	—	10
Kom Hamada ...	...	...	...	...	...	...	...	—	—	8
Mahalla ...	...	...	...	...	...	...	...	—	—	12
Kafr el Zayat ...	...	...	...	...	...	...	...	—	—	12
Edfina ...	...	...	...	...	...	...	...	—	—	34
Tala... ..	...	...	...	...	...	...	...	—	—	8
Sherbin ...	...	...	...	...	...	...	...	—	—	8
Senbilliawain... ..	...	...	...	...	...	...	...	—	—	8
Samalout ...	...	...	...	...	...	...	...	—	—	21
Wasta ...	...	...	...	...	...	...	...	—	—	8
Dayrout ...	...	...	...	...	...	...	...	—	—	8
TOTAL								5	8	1,453

TABLE XXI.—Cost of Uniform Diets for the In-patients of the Ophthalmic Hospitals
During 1934, excluding cost of Rations for Employees.

HOSPITALS (1)	Number of Diets issued	Total Cost (2)	Cost per Head per Day
		L.E.	Mills.
Mahalla	542	8	15·47
Beni Suef	18,757	344	16·05
Minia	8,749	178	16·25
No. 9 T.O.H.—Embaba and Ayât	6,410	159	17·98
Qena	11,227	257	18·35
Mansoura	24,900	528	18·75
No. 12 T.O.H.—Kafr el Sheikh and Bassioun	5,953	164	19·75
Benha	8,371	289	19·83
No. 1 T.O.H.—Citadel	10,752	338	20·15
Rod el Farag	37,347	884	20·16
Tanta	15,896	384	20·27
Damanhour	10,259	269	20·33
No. 10 T.O.H.—Dishna and Qous	6,409	188	20·36
Asiuot	19,363	514	20·37
No. 5 T.O.H.—Akhmeem and Tahta	5,576	179	20·57
Zagazig	12,574	306	20·59
No. 4 T.O.H.—Kafr Sakr and Minia el Kamh	5,845	177	20·91
Samalout	645	36	20·99
Sohag	10,022	259	21·04
Shebin el Kom	9,294	252	21·09
Fayoum	3,387	137	21·09
No. 6 T.O.H.—Berkit el Saba and Tanoub	6,130	178	21·11
No. 2 T.O.H.—Shoubrakeit and Etiai el Baroud	6,623	268	21·87
No. 11 T.O.H.—Kaliub	6,544	228	22·14
Giza	26,459	798	22·36
Port Said	15,059	439	22·49
Mataria	6,639	187	22·55
No. 3 T.O.H.—Daraw and Kom Ombo	5,375	173	22·89
Maghahga	4,936	216	23·49
Daqahlia Travelling, Dekerness and Diarb Nigm(3)	3,223	79	23·74
Edfina	3,074	106	24·15
No. 8 T.O.H.—Fashn and Bani Mazar	6,623	235	24·76
Santa	3,182	87	25·09
No. 7 T.O.H.—Miniet el Heit and Beba	7,950	275	25·69
Kafr el Zayat	694	19	26·71
TOTAL... ..	334,789	9,138	21·17

(1) Excluding Ophthalmic Branches at General Hospitals.
(2) Fuel excluded. (3) Diets were bought locally.

Scale of Full diet as given to all in-patients at all Ophthalmic Hospitals.

	Grammes
Bread	600
Beef	150
Vegetables	150
Lentils... ..	75
Rice	75
Milk	200
Native butter (<i>Samna Baladi</i>)	15
Sugar	30
Salt	20

TABLE XXII.—SOURCES OF PROVISION OF OPHTHALMIC HOSPITALS.

HOSPITALS	Date at which opened	Government Grant	Public Subscription or Private Charity	Grant of Provincial Councils or Municipalities
		L.E.	L.E.	L.E.
No. 1 Travelling retained at Cairo for provision of clinical facilities for teaching	1904	—	1,000	—
No. 2 Travelling	1905	—	1,000	—
Tanta	1908	8,463	—	—
Assiout	1911	8,817 and site	5,004	—
Mansoura	1912	—	5,000	—
Beni Suef	1912	—	4,000	—
Assiout Travelling	1912	—	—	720
Zagazîg	1913	—	—	4,288
Mahalla el Kubra... ..	1913	—	—	2,400
Kafr el Zaiyât	1913	—	—	2,200
Daqahlia Travelling	1913	—	—	720
Damanhour	1914	—	—	5,000
Shibîn el Kôm	1914	—	5,433	—
Sohâg	1914	960	4,000	—
Minya	1915	—	—	5,500
Santa	1915	—	—	2,600
Fayoum	1916	Site	—	4,000
No. 3 Travelling	1918	—	—	1,500
Benha	1920	—	14,000	—
Alexandria (Oph. Branch) ...	1920	Annexed to General Hospital	—	—
Port Said... ..	1921	18,620	—	1,000
Qena... ..	1923	—	12,400	2,800
Damietta (Oph. Branch) ...	1923	{ 1,000	240	—
"Fouad I" Oph. H., Giza ...	1924	Annexed to General Hospital	—	—
Suez (Oph. Branch)	1924	3,000 and site	8,668	600
No. 4 Travelling	1925	Annexed to General Hospital	—	—
No. 5 "	1925	2,000	—	—
Menouf	1925	2,000	—	—
Ashmoun... ..	1925	—	—	950
Memorial Ophthalmic Laboratory, Giza	1925	—	—	950
Barrîm (Oph. Branch) (¹)	1926	2,000	6,600	—
Mallawi (")	1926	Annexed to General Hospital	—	—
No. 6 Travelling	1927	2,280"	" "	—
No. 7 "	1927	2,280	—	—
Mît Ghanîr (Oph. Branch)...	1927	Annexed to General Hospital	—	—
Gharbiya Travelling (²)	1927	—	—	1,500
Maghagha	1927	—	1,000 and site	5,000
No. 8 Travelling	1928	2,500	—	—
No. 9 "	1928	2,500	—	—
No. 10 "	1928	2,500	—	—
Fikria (Oph. Branch)	1928	Annexed to General Hospital	—	—
No. 11 Travelling	1928	2,500	—	—
Asswân (Oph. Branch)	1929	6,450 and Annexed to General Hospital	—	—
"Princess Fawkiya" (Oph. Hosp.) Rod el Farag... ..	1929	25,000	—	—
Taieba (Oph. Branch)	1929	Annexed to General Hospital	—	—
Esna (Oph. Branch)	1929	" "	" "	—
Disouk (Oph. Branch)	1930	" "	" "	—
Demerdash (Oph. Branch) ...	1931	" "	" "	—
Luxor (Oph. Branch)	1931	" "	" "	—
Matarîya	1931	11,000	" "	Site
Rasheed (Oph. Branch) ...	1932	Annexed to General Hospital	—	—
Fakous (")	1932	" "	" "	—
Girga (")	1932	" "	" "	—
Dilingat (Oph. Branch) ...	1933	" "	" "	—
Saff (Oph. Branch)	1933	" "	" "	—
Edfou (Oph. Branch)	1933	" "	" "	—
Zifta... ..	1933	—	{ Site, building and furniture }	—
No. 12 Travelling... ..	1933	2,500	—	—
Fowa	1933	—	—	1,380
Edfina	1934	1,650 Site and building from the Royal Wakfs	—	—
Tala	1934	Annexed to General Hospital	—	500
Sherbin (Oph. Branch.) ...	1934	" "	" "	—
Senbellawain (Oph. Branch)	1934	" "	" "	—
Samalout... ..	1934	—	—	5,447 & Site
Wasta (Oph. Branch)	1934	Annexed to General Hospital	—	500
Dayrout (Oph. Branch) ...	1934	" "	" "	—
TOTAL		108,020	68,334	49,553

(¹) Barreem ophth Branch is transferred to Kôm Hamada.

(²) Gharbia Provincial Travelling hospital is cancelled.

TABLE XXIII.—ACTUAL EXPENDITURE 1934.—(A) GENERAL ADMINISTRATION.

CHAPTER	Expenditure
Pensionable Staff	5,483
Hors Cadre Staff	388
Transport, Transfer and Travelling Allowance	588
Telephones	—
Telegraphs	—
TOTAL	6,459

* Included in the general expenditure of the various units of the whole Department.

TABLE XXIV.—ACTUAL EXPENDITURE 1934.—(B) GOVERNMENT OPHTHALMIC HOSPITALS.

CHAPTER	Total Actual Expenditure
	L.E.
Pensionable Staff	26,163
Hors Cadre Staff	19,641
Transport, Transfer and Travelling Allowance	2,439
Food	8,945
Forage	69
Water	1,087
Light	582
Disposal of Sewage	62
Fuel	591
Rent	67
Telegrams and Telephones	182
Stores :—	
General Equipment	6,591
Surgical	362
„ Instruments	601
Drugs	1,930
Dressings	912
Transport of Stores	227
Petty Expenses	315
TOTAL	70,766 *

* Excluding repairs, being omitted as the credit is at the disposal of the Ministry of Public Works.

TABLE XXVII.—COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT
OPHTHALMIC HOSPITAL IN 1914 AND 1934

	Number	1914	TOTAL	Number	1934	TOTAL
		L.E.	L.E.		L.E.	L.E.
ART. 1.—Salaries, Wages, and Allowances :—						
A.—Pensionable Staff :						
Medical Officers	2	336		2	420	
Clerk	1	60		1	72	
	3		396	3		492
B.—Hors Cadre Staff :						
Moawin	1	48		1	60	
Chief attendant	1	36		2	72	
Attendants (male)...	2	42		2	48	
" (female)	2	36		2	36	
Cook	1	24		1	42	
Sai	1	18		1	24	
Gardener	—	—		1	24	
Boab	1	18		1	24	
Subordinate staff ..	3	54		2	48	
	12		276	13		378
C.—Allowances... ..						
		72	72	—	—	
ART. 2.—Transport, Transfer and Travelling Allowance :—						
Transport	}	50	50	75	75	
Transfer						
Travelling allowance...						
ART. 3.—Food						
			139			259
ART. 5.—Rent, Water, Lighting, etc. :—						
Water		30			74	
Lighting		40			39	
Fuel		20			9	
Sewage		12			5	
			102			127
ART. 6.—Books and Periodicals						
			1			— *
ART. 7.—Telegrams and Telephones :—						
Telegrams	}	9	9	10	10	
Telephones						
ART. 8.—Petty Expenses						
			12			8
ART. 11.—Stores						
			300			356
TOTAL						
			1,357			1,705

* No special Grant for Ophthalmic Hospitals but the Grants are for the whole Department.

Statistics of Ophthalmic Treatment in Schools, 1934-1935

Ophthalmic treatment has been carried out at the Government primary schools of Tanta, Assioût, Mansûra, Beni Suef, Zagazîg, Damanhûr, Shibîn el Kôm, Suhâg, Minya, Faiyûn, Gîza, Benha, (Moharram Bey and Râs el Tîn at Alexandria), (Abbâssiya, Mohammad Aly, Munîra, Mohammadiya, Gamaliya, Abbas, Bab el Shaariya, Shubra, Abdîn, Qerabiya, Nasriya and Nahhassîn at Cairo), Qena, Port Said, Damietta, Suez, Aswân and Esna.

TABLE I (a).—CONDITION OF CONJUNCTIVA (Beginning of the Year).

SCHOOLS	No Trachoma	TRACHOMA				TOTAL
		I.	II.	III.	IV.	
Tanta	18	98	63	14	96	289
Per cent	6·23	33·87	21·79	4·84	33·00	
Assiout	—	191	62	64	56	373
Per cent	—	51·21	16·60	17·16	15·01	
Mansoura	10	149	53	144	397	753
Per cent	1·32	19·78	7·04	19·00	52·72	
Bani Suef	13	98	62	126	147	446
Per cent	2·91	19·73	13·9	28·25	32·95	
Zagazîg	12	12	66	47	175	312
Per cent	3·84	3·84	21·15	15·06	56·08	
Damanhour	8	51	19	113	55	246
Per cent	3·25	20·73	7·72	46·34	22·35	
Shibîn el Kôm	1	24	78	106	94	303
Per cent	0·33	7·92	25·74	34·98	31·02	
Sohâg	1	101	57	58	45	262
Per cent	0·38	38·54	21·75	22·13	17·17	
Minya	1	36	19	54	44	154
Per cent	0·64	23·37	12·34	35·06	28·57	
Fayoum	1	28	69	48	58	204
Per cent	0·49	13·72	33·82	23·82	28·43	
Gîza	—	94	29	94	139	356
Per cent	—	26·41	8·14	26·41	33·04	
Banha	—	21	26	33	59	139
Per cent	—	15·11	18·70	23·74	42·44	
Moharram Bey	1	14	15	8	109	147
Per cent	0·68	9·53	10·21	5·44	74·13	
Râs el Tîn	3	31	40	32	385	491
Per cent	0·61	6·32	8·14	6·51	78·41	
Abbassîya	8	88	123	153	139	511
Per cent	1·56	17·22	24·07	29·94	27·20	
Mohammad Aly	1	133	48	140	169	491
Per cent	1·21	27·08	9·77	28·51	34·42	
Abbas	—	286	67	55	43	451
Per cent	—	63·41	14·85	12·18	9·55	
Shubra	17	178	82	309	171	757
Per cent	2·25	23·51	10·83	40·82	22·59	
Bab el Shaariya	3	98	33	42	67	243
Per cent	1·23	40·33	13·54	17·32	27·57	
Gamaliya	—	8	42	97	116	263
Per cent	—	3·04	15·96	36·98	44·02	
Nahhassîn	—	7	30	65	71	173
Per cent	—	4·04	17·34	37·57	41·04	
Nasriya	—	98	11	12	6	127
Per cent	—	77·16	8·66	9·45	4·72	
Munîra	10	309	21	41	90	471
Per cent	2·12	65·60	4·46	8·71	19·10	
Abdîn	9	85	43	104	210	451
Per cent	1·99	18·84	9·54	23·09	46·53	
Qerabiya	—	143	23	80	70	316
Per cent	—	45·25	7·28	25·31	22·15	
Mohammadiya	1	174	37	105	158	475
Per cent	0·21	36·63	7·79	22·10	33·27	
Port Said	2	137	16	78	85	318
Per cent	0·63	43·08	5·04	24·52	26·73	
Qena	—	43	42	32	26	143
Per cent	—	30·07	29·37	22·38	18·18	
Damietta	6	127	15	25	87	260
Per cent	2·31	48·84	5·77	9·61	33·46	
Suez	3	27	19	62	112	223
Per cent	1·34	12·14	8·52	27·80	50·20	
Asswân	1	19	16	57	35	128
Per cent	0·78	14·84	12·51	44·52	27·34	
Esna	9	33	40	55	46	183
Per cent	4·92	18·03	21·86	30·05	25·13	
TOTAL	139	2,941	1,366	2,453	3,560	10,459
Per cent.	1·33	28·12	13·06	23·45	34·04	

TABLE I (b).—CONDITION OF CONJUNCTIVA (End of the Year).

SCHOOL.								No Trachoma	TRACHOMA				TOTAL
									I.	II.	III.	IV.	
Tanta ... ..	...	...	...	...	...	...	...	18	99	24	48	95	284
Per cent	...	...	...	...	...	...	...	6·34	34·86	8·45	16·90	33·45	
Assiout ... ..	...	...	...	...	...	...	...	—	142	4	123	78	347
Per cent	...	...	...	...	...	...	...	—	41·23	1·15	35·13	22·48	
Mansoura ... ..	...	...	...	...	...	...	...	7	147	18	172	387	731
Per cent	...	...	...	...	...	...	...	0·96	20·11	2·46	23·53	52·93	
Bani Suef ... ..	...	...	...	...	...	—	...	12	8	7	263	160	450
Per cent	...	...	...	...	...	...	...	2·67	1·78	1·55	58·44	35·55	
Zagazîg ... ..	...	...	...	...	...	...	...	9	—	—	131	178	318
Per cent	...	...	...	...	...	...	...	2·83	—	—	41·20	55·96	
Damanhour ... ..	...	...	...	...	...	...	...	8	14	—	160	60	242
Per cent	...	...	...	...	...	...	...	3·30	5·78	—	66·12	24·80	
Shibîn el Kôm ... ..	...	...	...	...	...	...	...	1	—	5	166	112	284
Per cent	...	...	...	...	...	...	...	0·35	—	1·76	58·45	39·43	
Sohâg ... ..	...	...	...	...	...	...	...	—	23·55	1	133	73	269
Per cent	...	...	...	...	...	...	...	—	62	0·37	49·44	27·14	
Minya... ..	...	...	...	...	...	...	...	1	22	—	73	52	148
Per cent	...	...	...	...	...	...	...	0·68	14·86	—	49·32	35·13	
Fayoum ... ..	...	...	...	...	...	...	...	—	6	—	80	114	200
Per cent	...	...	...	...	...	...	...	—	3·00	—	40·00	57·00	
Gîza ... ..	...	...	...	...	...	...	...	—	94	29	94	139	356
Per cent	...	...	...	...	...	...	...	—	26·52	7·90	26·52	39·05	
Banha ... ..	...	...	...	...	...	...	...	—	6	6	55	67	134
Per cent	...	...	...	...	...	...	...	—	4·48	4·48	41·04	49·99	
Moharram Bey ... ..	...	...	...	...	...	...	...	1	—	1	10	128	140
Per cent	...	...	...	...	...	...	...	0·71	—	0·71	7·14	91·43	
Râs el Tîn ... ..	...	...	...	...	...	...	...	3	—	6	27	410	446
Per cent	...	...	...	...	...	...	...	0·67	—	1·34	6·05	91·93	
Abbâssîa ... ..	...	...	...	...	...	...	...	7	37	—	246	195	485
Per cent	...	...	...	...	...	...	...	1·44	7·63	—	50·72	40·21	
Mohammad Aly ... ..	...	...	...	...	...	...	...	1	74	2	191	200	468
Per cent	...	...	...	...	...	...	...	0·21	16·25	0·42	40·81	42·30	
Abbâs ... ..	...	...	...	...	...	...	...	—	80	19	218	111	428
Per cent	...	...	...	...	...	...	...	—	18·69	4·44	50·93	25·93	
Shoubra ... ..	...	...	...	...	...	...	...	12	68	63	349	145	637
Per cent	...	...	...	...	...	...	...	1·88	10·67	9·89	54·79	22·76	
Bab el Shaariya... ..	...	...	...	...	...	...	...	2	70	8	62	83	225
Per cent	...	...	...	...	...	...	...	0·89	31·11	3·56	27·55	36·88	
Gamaliya ... ..	...	...	...	...	...	...	...	—	—	—	107	139	246
Per cent	...	...	...	...	...	...	...	—	—	—	43·49	56·50	
Nahhassîn ... ..	...	...	...	...	...	...	...	—	1	2	74	85	162
Per cent	...	...	...	...	...	...	...	—	·62	1·23	45·68	52·46	
Nasriya ... ..	...	...	...	...	...	...	...	—	88	4	13	12	117
Per cent	...	...	...	...	...	...	...	—	75·21	3·42	11·11	10·26	
Munîra ... ..	...	...	...	...	...	...	...	10	282	6	55	107	460
Per cent	...	...	...	...	...	...	...	2·17	61·30	1·30	11·96	23·26	
Abdîn ... ..	...	...	...	...	...	...	...	9	84	6	102	232	433
Per cent	...	...	...	...	...	...	...	2·08	19·40	1·38	23·55	53·58	
Qerabiya ... ..	...	...	...	...	...	...	...	—	99	4	100	105	308
Per cent	...	...	...	...	...	...	...	—	32·14	1·30	32·47	34·08	
Mohammadîya ... ..	...	...	...	...	...	...	...	1	132	—	130	186	449
Per cent	...	...	...	...	...	...	...	0·22	29·40	—	28·95	41·42	
Port Said ... ..	...	...	...	...	...	...	...	2	98	—	35	174	309
Per cent	...	...	...	...	...	...	...	0·65	31·71	—	11·33	56·30	
Qena ... ..	...	...	...	...	...	...	...	—	16	—	67	50	133
Per cent	...	...	...	...	...	...	...	—	12·03	—	50·37	37·59	
Damietta ... ..	...	...	...	...	...	...	...	6	20	2	35	176	239
Per cent	...	...	...	...	...	...	...	2·51	8·37	0·84	14·65	73·63	
Suez ... ..	...	...	...	...	...	...	...	3	—	—	102	116	221
Per cent	...	...	...	...	...	...	...	1·36	—	—	46·59	52·04	
Asswân ... ..	...	...	...	...	...	...	...	—	24	3	62	34	123
Per cent	...	...	...	...	...	...	...	—	19·51	2·44	50·40	27·64	
Esna ... ..	...	...	...	...	...	...	...	9	9	3	89	61	171
Per cent	...	...	...	...	...	...	...	5·26	5·26	1·75	52·05	35·67	
TOTAL								122	1,782	223	3,572	4,264	9,963
Per cent								1·23	17·88	2·24	35·85	42·79	

TABLE II (a).—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

YEAR.	BEGINNING OF THE YEAR			END OF THE YEAR	
	Pupils with any Stage of Trachoma	Pupils with serious Stages of Trachoma I and II		Pupils with serious Stages of Trachoma I and II	
	Number	Number	Per Cent.	Number	Per Cent.
1907-1908	464	289	62·3	—	—
1914-1915	1,553	342	22·0	61	4·0
1916-1917	1,528	327	21·4	48	3·0
1917-1918	1,699	282	16·6	71	4·2
1919-1920	2,454	410	16·7	201	8·2
1920-1921	3,363	643	19·1	290	8·6
1921-1922	5,036	1,369	27·2	580	11·5
1922-1923	6,140	1,982	32·3	892	14·5
1923-1924	6,820	2,115	31·0	835	12·2
1924-1925	7,107	2,442	34·4	722	10·2
1925-1926	7,337	1,865	25·4	374	5·1
1926-1927	9,053	2,160	23·9	582	6·4
1927-1928	12,057	2,819	23·4	830	6·9
1928-1929	11,319	2,624	23·2	722	6·4
1929-1930	11,223	2,397	30·2	919	8·4
1930-1931	10,793	2,893	26·8	877	8·1
1931-1932	10,707	4,576	42·7	1,750	16·3
1932-1933	10,331	4,034	39·1	2,090	20·2
1933-1934	9,877	4,379	44·3	2,168	21·9
1934-1935	10,320	4,307	41·7	2,005	20·4

TABLE II (b).—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

STAGES OF TRACHOMA		BEGINNING OF THE YEAR		END OF THE YEAR	
		Number	Per Cent.	Number	Per Cent.
Trachoma	I	2,941	28·50	1,782	18·11
„	II	1,366	13·23	223	2·26
„	III	2,453	23·77	3,572	36·29
„	IV	3,560	34·50	4,264	43·33

TABLE III a.—TRACHOMA AND ITS RELATION TO SCHOOL YEARS (Beginning of the Year).

SCHOOLS	1ST YEAR				2ND YEAR				3RD YEAR				4TH YEAR			
	Trachoma				Trachoma				Trachoma				Trachoma			
	No	I.	II.	III.	IV.	No	I.	II.	III.	IV.	No	I.	II.	III.	IV.	No
Tanta ...	3	28	16	1	7	2	31	13	4	25	7	27	18	1	36	6
Assiout ...	—	59	14	4	5	—	59	17	4	4	—	45	15	15	18	—
Mansourâ ...	4	53	16	35	41	1	34	11	34	82	1	34	16	42	124	4
Bani Suef ...	2	27	14	14	31	2	25	18	17	32	1	31	17	41	45	8
Zagazig ...	1	5	27	12	27	3	6	20	9	30	5	1	10	11	51	3
Damanhour ...	3	16	13	16	8	2	10	3	29	14	3	14	1	34	14	—
Shibîn el Kôm ...	1	8	22	10	15	—	11	15	33	22	—	1	20	38	32	—
Sohâg ...	—	45	26	11	5	—	15	10	8	9	1	26	11	12	16	—
Minya ...	1	8	8	6	11	—	7	5	13	10	—	9	3	14	11	—
Fayoum ...	1	8	16	8	5	—	5	13	15	11	—	10	15	10	19	—
Gîza ...	—	37	8	11	13	—	22	7	28	32	—	29	11	29	42	—
Banha ...	—	8	11	10	14	—	6	4	7	8	—	4	5	7	21	—
Moharram Bey ...	1	7	1	1	18	—	4	7	3	31	—	—	4	1	27	—
Râs el Tin ...	—	8	11	8	78	—	5	9	11	91	2	11	14	4	132	1
Abbâssiya ...	5	29	36	22	25	3	29	38	30	44	—	15	34	44	32	—
Mohammad Aly ...	—	62	24	19	18	1	28	13	27	38	—	31	9	53	69	—
Abbas ...	—	63	31	5	11	—	53	15	17	14	—	82	15	14	13	—
Shoubra ...	2	82	29	64	15	6	37	19	99	35	5	26	21	86	65	4
Bab el Shaariya ...	1	32	13	3	10	—	20	8	12	15	1	27	5	6	20	1
Gamâliya ...	—	7	18	22	19	—	1	12	26	34	—	—	6	29	24	—
Nahhassîn ...	—	—	8	10	21	—	4	9	17	17	—	3	9	14	16	—
Nasriya ...	—	29	3	—	—	—	25	5	3	—	—	18	1	6	6	—
Munîra ...	3	80	3	9	17	4	92	4	12	8	—	74	6	11	30	3
Abdîn ...	1	38	12	25	24	3	39	8	35	37	2	4	12	24	77	3
Qerabiya ...	—	51	2	14	2	—	42	6	15	16	—	35	12	20	30	—
Mohammadiya ...	—	60	19	19	25	1	48	12	22	34	—	37	2	42	46	—
Port Said ...	1	47	9	8	3	1	37	7	15	12	—	28	—	36	25	—
Qena ...	—	12	17	6	8	—	12	8	7	4	—	10	11	11	10	—
Damietta ...	2	43	8	2	4	1	36	2	10	26	2	32	4	8	29	1
Suez ...	—	25	9	10	6	1	2	1	15	29	2	—	3	21	29	—
Asswân ...	—	9	13	11	6	—	7	1	15	9	1	2	1	16	13	—
Esna ...	2	18	15	5	9	6	5	9	14	11	1	6	8	20	15	—
TOTAL	34	1004	472	401	501	37	757	329	606	784	34	672	319	720	1137	34
												508	246	726	1138	

TABLE III (b).—COMPARISON OF SERIOUS STAGES OF TRACHOMA I and II
(Beginning of the Year).

CLASS	Total Number of Pupils	Total Number of serious Stages of Tra- choma I and II	Per Cent.
First Year	2,412	1,476	61·19
Second Year	2,513	1,086	43·21
Third Year... ..	2,882	991	34·38
Fourth Year	2,652	754	28·43

TABLE IV.—VISION OF ALL PUPILS WITHOUT SPECTACLES.

	TOTAL	GRAND TOTAL	Per Cent,
<i>Good Vision :—</i>			
(a) Normal vision in each eye 6/6 and 6/6	2,292		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9,	3,750	6,042	57·77
<i>Fair Vision :—</i>			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12	1,896		
(b) Vision 6/6 and 6/18	235	2,131	20·37
<i>Bad Vision :—</i>			
Fails to attain any of the above standards	2,286	2,286	21·85
TOTAL	10,459	10,459	

TABLE V.—SPECTACLES ORDERED.

Schools	Number of pupils now attending ob- tained spectacles in previous years	Number of pupils now attending obtained spectacles this year	Number of pupils now attending ordered spectacles but not yet obtained	Total	Spectacles on order or under repair	Number of pupils wearing spectacles on date of final inspection	Net number not wearing spectacles which were pre- viously ordered
Tanta	15	3	—	18	—	18	—
Assiout	5	4	—	9	—	9	—
Mansoura	12	7	—	19	—	15	4
Beni Suef	8	5	—	13	—	12	1
Zagazig	11	4	—	15	—	15	—
Damanhour	6	—	—	6	—	6	—
Shebin el Kom	13	1	—	14	—	14	—
Sohag	8	5	—	13	—	13	—
Minia	11	3	—	14	—	14	—
Fayoum	11	1	—	12	—	12	—
Giza... ..	17	—	—	17	—	17	—
Benha	5	1	1	7	2	5	—
Moharram Bey	4	—	—	4	—	4	—
Ras el Tin	16	18	—	34	—	34	—
Abbassia	12	6	—	18	—	18	—
Mohammed Ali	11	7	—	18	—	13	5
Mounira	9	5	—	14	—	14	—
Mohammadia	12	10	—	22	—	22	—
Gamalia	10	2	—	12	—	12	—
Nahhassin	5	6	—	11	—	11	—
Abbass	13	9	—	22	—	22	—
Bab el Shaaria	7	3	—	10	—	10	—
Shoubra	12	9	—	21	—	20	1
Abdin	10	7	—	17	2	15	—
Qerabia	15	—	—	15	—	15	—
Nasria	5	1	—	6	—	6	—
Qena	5	1	—	6	—	6	—
Port Said	15	4	—	19	—	19	—
Damietta	5	2	—	7	1	6	1
Suez... ..	4	—	—	4	—	4	—
Asswân	7	2	—	9	—	7	2
Esna	3	3	—	6	—	6	—
TOTAL	302	129	1	432	5	414	14

TABLE VI.—NUMBER OF PUPILS ORDERED SPECTACLES NOT GREATER IN STRENGTH THAN ± 6 DIOPTERS AND BY THEIR USE GOT GOOD OR FAIR VISION.

	TOTAL	GRAND TOTAL	Per Cent
Good Vision:—			
(a) Normal vision in each eye 6/6 and 6/6	42		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9	82		
		124	28.84
Fair Vision:—			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12... ..	110		
(b) Vision 6/6 and 6/12	24		
		134	31.16

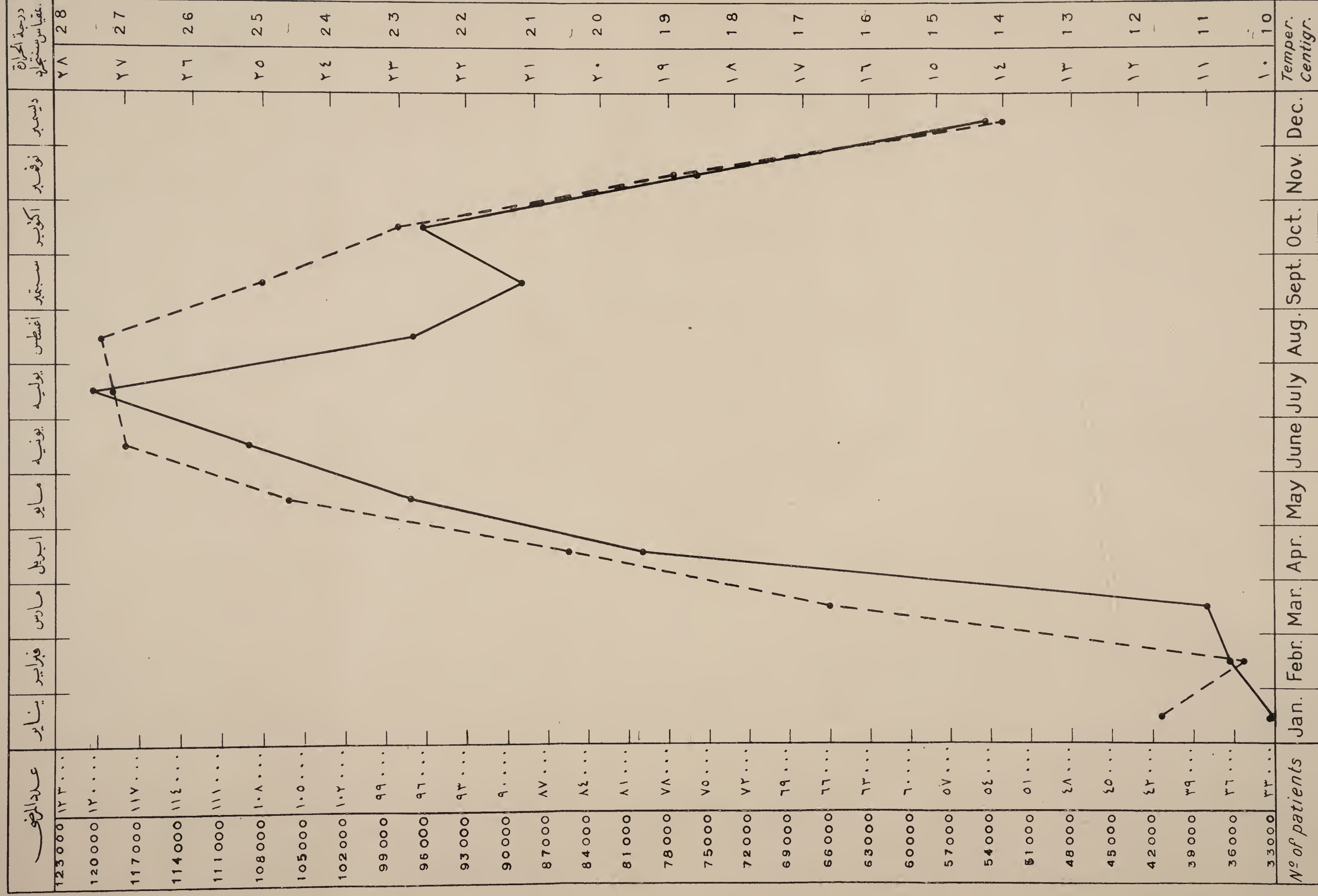
TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT.

SCHOOLS	Both Corneas clear	One Cornea clear the other showing Opacity	Opacity of both Corneas
Tanta	281	5	3
Assiout	357	12	4
Mansoura	717	29	7
Bani Suef	387	23	36
Zagazîg	293	13	6
Damanhour... ..	242	4	—
Shibîn el Kôm	277	16	10
Sohâg	231	17	14
Minya	147	6	1
Fayoum	188	7	9
Gîza	337	13	6
Banha	134	3	2
Moharram Bey	144	1	2
Râs el Tîn... ..	485	5	1
Abbassiya	500	4	7
Mohammad Aly	452	26	13
Abbâs	436	12	3
Shoubra	753	4	—
Bab el Shaaria	219	21	3
Gamâliya	252	8	3
Nabhassîn	167	3	3
Nasriya	127	—	—
Munîra	461	8	2
Abdîn	420	29	2
Qerabîya	295	17	4
Mohammadiya	461	12	2
Port Said	313	5	—
Qena	138	3	2
Damietta	252	6	2
Suez	219	2	2
Asswân	118	7	3
Esna	152	12	19
TOTAL	9,955	333	171
Per cent	95·18	3·18	1·63

TABLE VIII.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF TANTA PRIMARY SCHOOL IN THE YEARS 1914-1915 AND 1934-1935.

YEAR	Both Corneas Clear	One Cornea Clear, the other showing Opacity	Opacity of both Corneas
1914-1915	173	54	33
1934-1935	281	5	3

TEMPERATURE & NUMBER OF NEW PATIENTS TREATED IN 1934



مصلحة الساعة المصرية
١٩٣٥
(٢٠/٩/٥٨)

عدد المرضى المستجدين الذين عولجوا شهريا
درجة الحرارة بمقياس سنجراد

New patients treated per month
Average temperature per month

